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**From:** Dunham, Sarah [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A9444681441E4521AD92AE7D42919223-SDUNHAM]  
**Sent:** 12/15/2017 1:29:50 PM  
**To:** Murphy, Tina [Murphy.Tina@epa.gov]  
**Subject:** Fwd: Oil and gas slides  
**Attachments:** Background for Administrator Oil and Gas Briefing 12-15-17.docx; ATT00001.htm

Would you please print these for me?

Sent from my iPhone

Begin forwarded message:

**From:** "Gunning, Paul" <Gunning.Paul@epa.gov>  
**Date:** December 14, 2017 at 3:38:13 PM EST  
**To:** "Dunham, Sarah" <Dunham.Sarah@epa.gov>  
**Subject:** Fwd: Oil and gas slides

Sent from my iPhone

Begin forwarded message:

**From:** "DeFigueiredo, Mark" <DeFigueiredo.Mark@epa.gov>  
**Date:** December 14, 2017 at 3:13:42 PM EST  
**To:** "Gunning, Paul" <Gunning.Paul@epa.gov>  
**Cc:** "Waltzer, Suzanne" <Waltzer.Suzanne@epa.gov>, "Weitz, Melissa" <Weitz.Melissa@epa.gov>, "Banks, Julius" <Banks.Julius@epa.gov>, "Kocchi, Suzanne" <Kocchi.Suzanne@epa.gov>, "Sarofim, Marcus" <Sarofim.Marcus@epa.gov>, "Birnbaum, Rona" <Birnbaum.Rona@epa.gov>  
**Subject:** RE: Oil and gas slides

Hi Paul,

Attached is the background information / talkers for Sarah. Let us know if you have any questions.

Thanks!

Mark

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**From:** Gunning, Paul  
**Sent:** Thursday, December 14, 2017 11:30 AM  
**To:** DeFigueiredo, Mark <DeFigueiredo.Mark@epa.gov>  
**Cc:** Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>; Weitz, Melissa <Weitz.Melissa@epa.gov>; Banks, Julius <Banks.Julius@epa.gov>; Kocchi, Suzanne <Kocchi.Suzanne@epa.gov>  
**Subject:** RE: Oil and gas slides

Thanks Mark. It looks like I am now going to the meeting as well. ☹ I talked with Sarah this AM and she will be walking through the data slides. Can you guys please pull together some talking points for her. The relevant slides.....

Slide #3 – not sure she is covering this slide but she would like to have some additional context for the numbers in the table. Specifically, more background on the baseline emissions projections. What is the universe.

Slide #4 – in addition to covering the basics of the slide, lets include some background on CH4 for context. (short-lived GHG, energy source, contributions to background ozone etc....)

Slide #5 – more specific info. on what has been driving trends over time in specific sub-sectors.

Thanks!!!! Call me if you have questions.

Paul

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**From:** DeFigueiredo, Mark  
**Sent:** Wednesday, December 13, 2017 4:53 PM  
**To:** Gunning, Paul <[Gunning.Paul@epa.gov](mailto:Gunning.Paul@epa.gov)>  
**Cc:** Waltzer, Suzanne <[Waltzer.Suzanne@epa.gov](mailto:Waltzer.Suzanne@epa.gov)>; Weitz, Melissa <[Weitz.Melissa@epa.gov](mailto:Weitz.Melissa@epa.gov)>; Banks, Julius <[Banks.Julius@epa.gov](mailto:Banks.Julius@epa.gov)>; Kocchi, Suzanne <[Kocchi.Suzanne@epa.gov](mailto:Kocchi.Suzanne@epa.gov)>  
**Subject:** Oil and gas slides

Paul – This is the deck that OAQPS sent forward to OAR for Bill's review. It looks to be substantially similar to the slides I shared with you earlier this afternoon. I understand that the early guidance briefing is now an informational briefing.

Mark